

GenCore version 5.1.4.p5.4578
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OM protein - protein search, using sw model

Run on: March 17, 2003, 16:40:47 ; Search time 14 Seconds

(without alignments)
855.996 Million cell updates/sec

Title: US-09-840-243B-11

Perfect score: 1341
Sequence: 1 MELTPAEDLIQTOQTASE.....VIENHILKLFOSNLVPADPE 260

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 199416 seqs, 46092074 residues

Total number of hits satisfying chosen parameters: 199416

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PTI_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/PCTIS_PUBCOMB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1341	100.0	260	US-09-840-243B-11	Sequence 11, App1
2	1341	100.0	260	US-09-840-243B-12	Sequence 12, App1
3	1113.5	83.0	269	US-09-840-243B-13	Sequence 13, App1
4	561.5	41.9	220	US-09-840-243B-18	Sequence 18, App1
5	542.5	40.5	218	US-09-840-243B-19	Sequence 19, App1
6	257	19.2	49	US-09-864-761-47859	Sequence 47859, A
7	196.5	14.7	551	US-09-835-788A-17	Sequence 17, App1
8	192	14.3	740	US-09-835-788A-12	Sequence 12, App1
9	191	14.2	426	US-09-908-711-70	Sequence 10, App1
10	187	13.9	673	US-09-841-835-8	Sequence 8, App1
11	187	13.9	949	US-09-841-835-10	Sequence 10, App1
12	187	13.9	1327	US-09-972-115A-8	Sequence 8, App1
13	187	13.9	1327	US-09-841-835-2	Sequence 2, App1
14	185	13.8	285	US-09-835-788A-18	Sequence 18, App1
15	185	13.8	1724	US-09-964-899-43	Sequence 43, App1
16	175	13.0	328	US-09-758-593A-11	Sequence 11, App1
17	175	13.0	328	US-09-758-593A-12	Sequence 12, App1
18	173	13.0	435	US-09-533-029-56	Sequence 56, App1
19	173	12.9	329	US-09-880-192-62	Sequence 62, App1

20	173	12.9	329	10	US-09-758-593A-1	Sequence 1, App1
21	171.5	12.8	251	10	US-09-835-788A-13	Sequence 13, App1
22	165.5	12.3	452	10	US-09-840-704-2	Sequence 2, App1
23	164	12.2	802	9	US-09-964-899-41	Sequence 41, App1
24	163.5	12.2	599	10	US-09-735-368-2	Sequence 2, App1
25	160.5	12.0	384	9	US-09-924-400-334	Sequence 334, App
26	160.5	12.0	384	10	US-09-924-400-334	Sequence 334, App
27	159	11.9	1074	10	US-09-509-196A-2	Sequence 2, App1
28	158.5	11.8	384	9	US-09-924-400-304	Sequence 304, App
29	158.5	11.8	384	10	US-09-924-400-340	Sequence 340, App
30	158.5	11.8	384	10	US-09-825-301-8	Sequence 8, App1
31	158.5	11.8	384	10	US-09-810-936-304	Sequence 304, App
32	158.5	11.8	384	10	US-09-429-755-304	Sequence 304, App
33	158.5	11.8	394	9	US-09-924-400-336	Sequence 336, App
34	158.5	11.8	529	9	US-09-924-400-324	Sequence 324, App
35	158.5	11.8	529	10	US-09-810-936-324	Sequence 324, App
36	158.5	11.8	656	9	US-09-924-400-305	Sequence 305, App
37	158.5	11.8	656	9	US-10-012-896-379	Sequence 379, App
38	158.5	11.8	656	9	US-09-895-793-379	Sequence 379, App
39	158.5	11.8	656	9	US-09-895-814-379	Sequence 379, App
40	158.5	11.8	656	10	US-09-825-301-9	Sequence 301, App1
41	158.5	11.8	656	10	US-09-759-143-379	Sequence 379, App
42	158.5	11.8	656	10	US-09-780-669-379	Sequence 379, App
43	158.5	11.8	656	10	US-09-810-936-305	Sequence 305, App
44	158.5	11.8	656	10	US-09-822-827-379	Sequence 379, App
45	158.5	11.8	656	10	US-09-429-755-305	Sequence 305, App

ALIGNMENTS

RESULT 1
US-09-840-243B-11
Sequence 11, Application us/09840243B
Patent No. US20020156258A1
GENERAL INFORMATION:
APPLICANT: MASTERNAK, Krzysztof
APPLICANT: REITH, Walter
TITLE OF INVENTION: New Transcription Factor of MHC Class II Genes, Substances
TITLE OF INVENTION: Capable of Inhibiting This New Transcription Factor and
FILE REFERENCE: 010830-117
CURRENT APPLICATION NUMBER: US/09/840, 243B
CURRENT FILING DATE: 2001-04-24
PRIOR APPLICATION NUMBER: EP 99120085.0
PRIOR FILING DATE: 1998-10-24
NUMBER OF SEQ ID NOS: 22
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 11
LENGTH: 260
TYPE: PRT
ORGANISM: Homo sapiens
US-09-840-243B-11

Query Match 100.0%; Score 1341; DB 9; Length 260;
Best Local Similarity 100.0%; Pred. No. 1.2e-113;
Matches 260; Conservative 0; Mismatches 0; Indels 0;

QY	1	MELTPAEDLIQTOQTASELGPEDPEBEAAGSDTVVLSLPCTPEPVNPEDPASYSS	60
DB	1	MELTPAEDLIQTOQTASELGPEDPEBEAAGSDTVVLSLPCTPEPVNPEDPASYSS	60
QY	61	POAGSSIKHSTTTLNRRGNEVSALPTLISLTHQAAOGELOLKEHLKGGDLVVKP	120
DB	61	POAGSSIKHSTTTLNRRGNEVSALPTLISLTHQAAOGELOLKEHLKGGDLVVKP	120
QY	121	DERGFPLIWAASFGELIETVRFLLEWGAADPHILAKERESALSLASTGGYTDIVGLLERRD	180
DB	121	DERGFPLIWAASFGELIETVRFLLEWGAADPHILAKERESALSLASTGGYTDIVGLLERRD	180
QY	181	VDNIYDNGTGLLVAVRGNHYKCVALLARGADLTTEADSGTTPMDLAVLGRKQO	240

Db 181 VDINIYDMNGTPLLAVRGNHVKCVALLARAGADLTTEADSGYTPMDLAVAGYRKVOQ 240
 QY 241 VIENHILKLFOSNLVPADPE 260
 Db 241 VIENHILKLFOSNLVPADPE 260

RESULT 2

US-09-840-243B-12
 ; Sequence 12, Application US/09840243B
 ; Patent No. US20020156258A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MASTERNAK, Krzysztof
 ; APPLICANT: REITH, Walter
 ; APPLICANT: MACH, Bernard
 ; TITLE OF INVENTION: New Transcription Factor of MHC Class II Genes, Substances
 ; TITLE OF INVENTION: Capable of Inhibiting This New Transcription Factor and
 ; FILE REFERENCE: 010830-117
 ; CURRENT APPLICATION NUMBER: US/09/840,243B
 ; PRIOR FILING DATE: 2001-04-24
 ; PRIOR FILING DATE: 1998-10-24
 ; NUMBER OF SEQ ID NOS: 22
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO 12
 ; LENGTH: 260
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-840-243B-12

Query Match 100.0%; Score 1341; DB 9; Length 260;
 Best Local Similarity 100.0%; Pred. No. 1,2e-113;

Matches 260; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MELTPAEDLIQTQTPASELGDPEDEEADSGDVTVLSLFPCTPEPVNPEPDASVSS 60
 Db 1 MELTPAEDLIQTQTPASELGDPEDEEADSGDVTVLSLFPCTPEPVNPEPDASVSS 60
 QY 61 PQAGSSLSKHSSTLTNRQGNVSALPATLDSLSIHQLAAGELDLQKHLRKGDNLVMP 120
 Db 61 PQAGSSLSKHSSTLTNRQGNVSALPATLDSLSIHQLAAGELDLQKHLRKGDNLVMP 120
 QY 121 DERGFPLIMASAFGEIETVRFLBEGADPHILAKERESALSLASTGYTDIVGLLLE 180
 Db 121 DERGFPLIMASAFGEIETVRFLBEGADPHILAKERESALSLASTGYTDIVGLLLE 180
 QY 181 VDINIYDMNGTPLLAVRGNHVKCVALLARAGADLTTEADSGYTPMDLAVAGYRKVOQ 240
 Db 181 VDINIYDMNGTPLLAVRGNHVKCVALLARAGADLTTEADSGYTPMDLAVAGYRKVOQ 240
 QY 241 VIENHILKLFOSNLVPADPE 260
 Db 241 VIENHILKLFOSNLVPADPE 260

RESULT 3

US-09-840-243B-13
 ; Sequence 13, Application US/09840243B
 ; Patent No. US20020156258A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MASTERNAK, Krzysztof
 ; APPLICANT: REITH, Walter
 ; APPLICANT: MACH, Bernard
 ; TITLE OF INVENTION: New Transcription Factor of MHC Class II Genes, Substances
 ; TITLE OF INVENTION: Capable of Inhibiting This New Transcription Factor and
 ; FILE REFERENCE: 010830-117
 ; CURRENT APPLICATION NUMBER: US/09/840,243B
 ; PRIOR FILING DATE: 2001-04-24
 ; PRIOR FILING DATE: 1998-10-24
 ; NUMBER OF SEQ ID NOS: 22

; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO 13
 ; LENGTH: 269
 ; TYPE: PRT
 ; ORGANISM: Murinae gen. sp.
 ; US-09-840-243B-13

Query Match 83.0%; Score 1113.5; DB 9; Length 269;
 Best Local Similarity 81.9%; Pred. No. 4.7e-93;
 Matches 221; Conservative 15; Mismatches 23; Indels 11; Gaps 2;

QY 1 MELTPAEDLIQTQTPASELGDPEDEEADSGDVTVLSLFPCTPEPVNPEPDASVSS 60
 Db 1 MELTPAEDLIQTQTPASELGDPEDEEADSGDVTVLSLFPCTPEPVNPEPDASVSS 60
 QY 61 PQAGSSLSKHSSTLTNRQGNVSALPATLDSLSIHQLAAGELDLQKHLRK----- 112
 Db 61 LQ-GSPLKHSSTLTNRQGNVSALPATLDSLSIHQLAAGELDLQKHLRKACPACTC 119
 QY 113 --GDNLVNKPDERGFTPLIMASAFGEIETVRFLBEGADPHILAKERESALSLASTGYT 170
 Db 120 LSGNNLKNKPERGFTPLIMASAFGEIETVRFLBEGADPHILAKERESALSLASTGYT 179
 QY 171 DIVGLLEKRDVDINIYDMNGTPLLAVRGNHVKCVALLARAGADLTTEADSGYTPMDLA 230
 Db 180 DIVRLLDKRDVDINIYDMNGTPLLAVRGNHVKCVALLARAGADLTTEADSGYTPMDLA 239
 QY 231 VALGYRKVOQVIENHILKLFOSNLVPADPE 260
 Db 240 VALGYRKVOQVESHILKLFOSNLVPADPE 269

RESULT 4

US-09-840-243B-18
 ; Sequence 18, Application US/09840243B
 ; Patent No. US20020156258A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MASTERNAK, Krzysztof
 ; APPLICANT: REITH, Walter
 ; APPLICANT: MACH, Bernard
 ; TITLE OF INVENTION: New Transcription Factor of MHC Class II Genes, Substances
 ; TITLE OF INVENTION: Capable of Inhibiting This New Transcription Factor and
 ; FILE REFERENCE: 010830-117
 ; CURRENT APPLICATION NUMBER: US/09/840,243B
 ; PRIOR FILING DATE: 2001-04-24
 ; PRIOR FILING DATE: 1998-10-24
 ; NUMBER OF SEQ ID NOS: 22
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO 18
 ; LENGTH: 220
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: MISC FEATURE
 ; LOCATION: (31)-(159)
 ; OTHER INFORMATION: Amino acids at positions 31, 148 and 159 are Xaa wherein
 ; OTHER INFORMATION: Xaa = any amino acid.
 ; US-09-840-243B-18

Query Match 41.9%; Score 561.5; DB 9; Length 220;
 Best Local Similarity 55.1%; Pred. No. 2.7e-43;
 Matches 119; Conservative 27; Mismatches 61; Indels 9; Gaps 4;

QY 37 TVLSLFPCTPEPVNPEPDASV-----SSPQAGSSLSKHSSTLTNRQGNVSALPATLD 90
 Db 7 TFVFLAECNTH-TSPSPGICVRYHXTSTTGHFSPKOSTLTNRQGNVSALPATLD 65
 QY 91 SLSTHOLAAGELDLQKHLRKGDNLVKNKPDGFTPLIMASAFGEIETVRFLBEGADP 150
 Db 66 SLSTHOLAAGELDLQKHLRKGDNLVKNKPDGFTPLIMASAFGEIETVRFLBEGADP 124

QY 151 HILAKERESALSLASTGTYDVGLLERDVYDINIDMNGGTPLLYAVRGNHVKCEALL 210
Db 125 QLGKGRSALSLCSKTYDVKMLDGVNXYDMNGGTPLLYAVRGNHVKCEALL 184
QY 211 ARGADLTTEADSGYTPMDLAVLGYRQVQVLENIH 246
Db 185 ESGADPTIETDSSGYNMDLAVLGEVFNRL-SHI 219

RESULT 5

US-09-840-243b-19
; Sequence 19, Application US/09840243B
; Patent No. US20020156258A1
; GENERAL INFORMATION:
; APPLICANT: MASTERNAK, Krzysztof
; APPLICANT: REITH, Walter
; APPLICANT: MACH, Bernard
; TITLE OF INVENTION: New Transcription Factor of MHC Class II Genes, Substances
; TITLE OF INVENTION: Capable of Inhibiting This New Transcription Factor and
; FILE REFERENCE: Medical Uses of These Substances
; CURRENT APPLICATION NUMBER: US/09/840.243B
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: EP 98120085.0
; PRIOR FILING DATE: 1998-10-24
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 19
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Murinae gen. sp.
US-09-840-243b-19

Query Match 40.5%; Score 542.5; DB 9; Length 218;
Best Local Similarity 58.9%; Pred. No. 1.4e-41;
Matches 112; Conservative 22; Mismatches 49; Indels 7; Gaps 2;

QY 51 NPEPDASY-----SSPDAGSLKHSITLITNROGNEVSALPATLDSLSIHQAAGEID 104
Db 14 SPFGIOVRHYVTBSTTHFSPKOSTLITNKHGNEVSTTPLLANSLSAHQLAAGEM 73
QY 105 QLKHLRKGNDLVNKPDRGFTPLWASAFGEIETVRFLLEMGADPHILAKERESALSLA 164
Db 74 YLARIEO-ENVINHTDEGFTPLWAAHQIAYVEFLQNGADQLGKGRSALSLA 132
QY 165 STGGYTDVGLLEEDVDINIDMNGGTPLLYAVRGNHVKCEALLARGADLTTEADSGY 224
Db 133 CSKTYTDVKNLDCGVNXYDMNGGTPLLYAVRGNHVKCEALLARGADLTTEADSGY 192
QY 225 TPMDLAVL 234
Db 193 NSMDLAVL 202

RESULT 6

US-09-864-761-47859
; Sequence 47859, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecmica-X-1
; CURRENT APPLICATION NUMBER: US/09/864.761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180.312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207.456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632.366

; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236.359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234.687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608.408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774.203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 47859
; LENGTH: 49
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC002126.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.5
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.7
; OTHER INFORMATION: EST HUMAN HIT: BE905633.1, EVALUATE 3.00e-22
; OTHER INFORMATION: SWISSPROT HIT: O14593, EVALUATE 2.00e-23
US-09-864-761-47859

Query Match 19.2%; Score 257; DB 10; Length 49;
Best Local Similarity 100.0%; Pred. No. 1e-16;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELTOPAEDLIQTOOTPASLGDPEDEGEAAGSDTVVLSLFPCTPBP 49
Db 1 MELTOPAEDLIQTOOTPASLGDPEDEGEAAGSDTVVLSLFPCTPBP 49

RESULT 7

US-09-835-788A-17
; Sequence 17, Application US/09835788A
; Patent No. US20020077458A1
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: Death Domain-Containing Receptor Polynucleotides, Polypeptides,
; FILE REFERENCE: PTO18P1
; CURRENT APPLICATION NUMBER: US/09/835.788A
; PRIOR FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: PCT/US00/28666
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/159.585
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: 60/167.246
; PRIOR FILING DATE: 1999-11-24
; NUMBER OF SEQ ID NOS: 24


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7 PRIOR APPLICATION NUMBER: 09/764,856
7 PRIOR FILING DATE: 2001-01-17
7 PRIOR APPLICATION NUMBER: US01/01336
7 PRIOR FILING DATE: 2001-01-17
7 PRIOR APPLICATION NUMBER: 09/764,868
7 PRIOR FILING DATE: 2001-01-17
7 PRIOR APPLICATION NUMBER: US01/01312
7 PRIOR FILING DATE: 2001-01-17
7 PRIOR APPLICATION NUMBER: 60/179,065
7 PRIOR FILING DATE: 2000-01-31
7 PRIOR APPLICATION NUMBER: 60/180,628
7 PRIOR FILING DATE: 2000-02-04
7 PRIOR APPLICATION NUMBER: 60/209,467
7 PRIOR FILING DATE: 2000-06-07
7 NUMBER OF SEQ ID NOS: 167
7 SOFTWARE: Patentin Ver. 2.0
7 SEQ ID NO 70
7 LENGTH: 426
7 TYPE: PRT
7 ORGANISM: Homo sapiens
7 FEATURE:
7 NAME/KEY: SITE
7 LOCATION: (148)
7 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
7 NAME/KEY: SITE
7 LOCATION: (167)
7 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
7 NAME/KEY: SITE
7 LOCATION: (169)
7 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
7 NAME/KEY: SITE
7 LOCATION: (258)
7 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
7 NAME/KEY: SITE
7 LOCATION: (396)
7 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
7 NAME/KEY: SITE
7 LOCATION: (413)
7 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
7 NAME/KEY: SITE
7 LOCATION: (414)
7 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
7 NAME/KEY: SITE
7 LOCATION: (417)
7 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
7 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
7 NAME/KEY: SITE
7 LOCATION: (418)
7 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
7 NAME/KEY: SITE
7 LOCATION: (421)
7 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
7 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-908-711-70

Query Match          14.2%   Score 191; DB 10; Length 426;
Best Local Similarity 28.1%; Pred. No. 2e-09; Mismatches 76; Indels 10; Gaps 3
Matches 50; Conservative 42;

QY      68 KHSITLIVNROANEVSALPATLDLSIHOLAQGEIDQLKEHRRKGDNLVKNPDERGFTTP 127
       ||:::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      27 KHRKRSPRKKSSDNA-----SYLRARAGHEKRLDIYIKGV-D-INICONGLNA 77

QY      128 LIWASAFGEIETVRPLEWGADPHILAKERESALSTASTGYGTVDIVGLLERPDVINITYD 187
       ||:::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      78 LHLSKEGHVEVSELTGREANVDATKGNTHLASLAGQEVVKVLVTNGAVNQAQS 137

QY      188 WNGGRPLLYAVNGNVKCYEALLARGADLTTEADSGYTMDLVALIGY-RKYQOVLEN 244
       |||||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      138 QNGFPLVMAXQENHLVVVKFLINDGASOXLTDEGFPLAVALQGHDQVVSLTEN 195

```

[illegible]

APPLICANT: Smith, Susan
TITLE OF INVENTION: A PROTEIN THAT BINDS TO TRF1 AND METHODS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Klauber & Jackson
STREET: 411 Hackensack Avenue, 4th Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/841,835
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/196,387
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-230 CIP1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
TELEX: 133521
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 949 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-841-835-10

Query Match 13.9%; Score 187; DB 10; Length 949;
Best Local Similarity 24.3%; Pred. No. 1.5e-08;
Matches 72; Conservative 36; Mismatches 112; Indels 76; Gaps 9;

QY 18 ASLGDPEDEGEBAADGSDTV-VLSLPCTPEPVNPEDASVSSFOAGSSLKHSTLTNR 76
DB 137 SSSSSPSSPSSGLAESPEAGVSTAPLPGAGP-----GTGVAVSGLARE---LLEA 189
QY 77 QRGNEVSALPATLDSLSI-----HQLAAGELDQKELRKGNLVNKPDER 123
DB 190 CRNGDVSRVRLVDAAVNAMKMGRRKSSPLHFAAGFRKDVVHLLQGAN-VHARDG 248
QY 124 GFTPLWASAFGEIETVRFLL-----EW-----GADP 150
DB 249 GILPLHNAISFGHAENVSLILCOGADPNARDNNYTPLEAAIKKIDVCIYLQHGADP 308
QY 151 HILAKERESALSLAS-----TGGY-----TDVIGLLERDVINITYDN 189
DB 309 NINRTDGSALDLADPEAKAVLTGEYKDELLEAARSGNEETMLLTPLVNCHASDGR 368
QY 190 GGTPLLYAVRGNHYKCYEALILARGADLTTEADSGYTPMDLAVALGKRYQOVIENH 245
DB 369 KSTPLHLAAGYNRVRIVQLLLQHGADVAKDKGLVPLHNACSYGHYEVTLELLKH 424

RESULT 12
US-09-972-115A-8
Sequence 8, Application US/09972115A
Publication No. US20030032769A1
GENERAL INFORMATION:
APPLICANT: Geron Corporation
APPLICANT: Gregg, Morin B.
APPLICANT: Walter, Funk D.
APPLICANT: Mieczyslaw, Piatyszek A.

TITLE OF INVENTION: A Second Mammalian Telomerase
FILE REFERENCE: 080/003C
CURRENT APPLICATION NUMBER: US/09/972,115A
CURRENT FILING DATE: 2001-10-05
PRIOR APPLICATION NUMBER: US 60/128,577
PRIOR FILING DATE: 2000-04-10
PRIOR APPLICATION NUMBER: US 60/129,123
PRIOR FILING DATE: 1999-04-13
NUMBER OF SEQ ID NOS: 64
SOFTWARE: Patentin version 3.1
SEQ ID NO 8
LENGTH: 1327
TYPE: PRT
ORGANISM: Homo sapiens
US-09-972-115A-8

Query Match 13.9%; Score 187; DB 9; Length 1327;
Best Local Similarity 24.3%; Pred. No. 2.3e-08;
Matches 72; Conservative 36; Mismatches 112; Indels 76; Gaps 9;

QY 18 ASLGDPEDEGEBAADGSDTV-VLSLPCTPEPVNPEDASVSSFOAGSSLKHSTLTNR 76
DB 137 SSSSSPSSPSSGLAESPEAGVSTAPLPGAGP-----GTGVAVSGLARE---LLEA 189
QY 77 QRGNEVSALPATLDSLSI-----HQLAAGELDQKELRKGNLVNKPDER 123
DB 190 CRNGDVSRVRLVDAAVNAMKMGRRKSSPLHFAAGFRKDVVHLLQGAN-VHARDG 248
QY 124 GFTPLWASAFGEIETVRFLL-----EW-----GADP 150
DB 249 GILPLHNAISFGHAENVSLILCOGADPNARDNNYTPLEAAIKKIDVCIYLQHGADP 308
QY 151 HILAKERESALSLAS-----TGGY-----TDVIGLLERDVINITYDN 189
DB 309 NINRTDGSALDLADPEAKAVLTGEYKDELLEAARSGNEETMLLTPLVNCHASDGR 368
QY 190 GGTPLLYAVRGNHYKCYEALILARGADLTTEADSGYTPMDLAVALGKRYQOVIENH 245
DB 369 KSTPLHLAAGYNRVRIVQLLLQHGADVAKDKGLVPLHNACSYGHYEVTLELLKH 424

RESULT 13
US-09-841-835-2
Sequence 2, Application US/09841835
Patent No. US20020076795A1
GENERAL INFORMATION:
APPLICANT: de Lange, Titia
TITLE OF INVENTION: A PROTEIN THAT BINDS TO TRF1 AND METHODS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Klauber & Jackson
STREET: 411 Hackensack Avenue, 4th Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/841,835
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/196,387
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742

Search completed: March 17, 2003, 16:45:07
Job time : 18 secs

